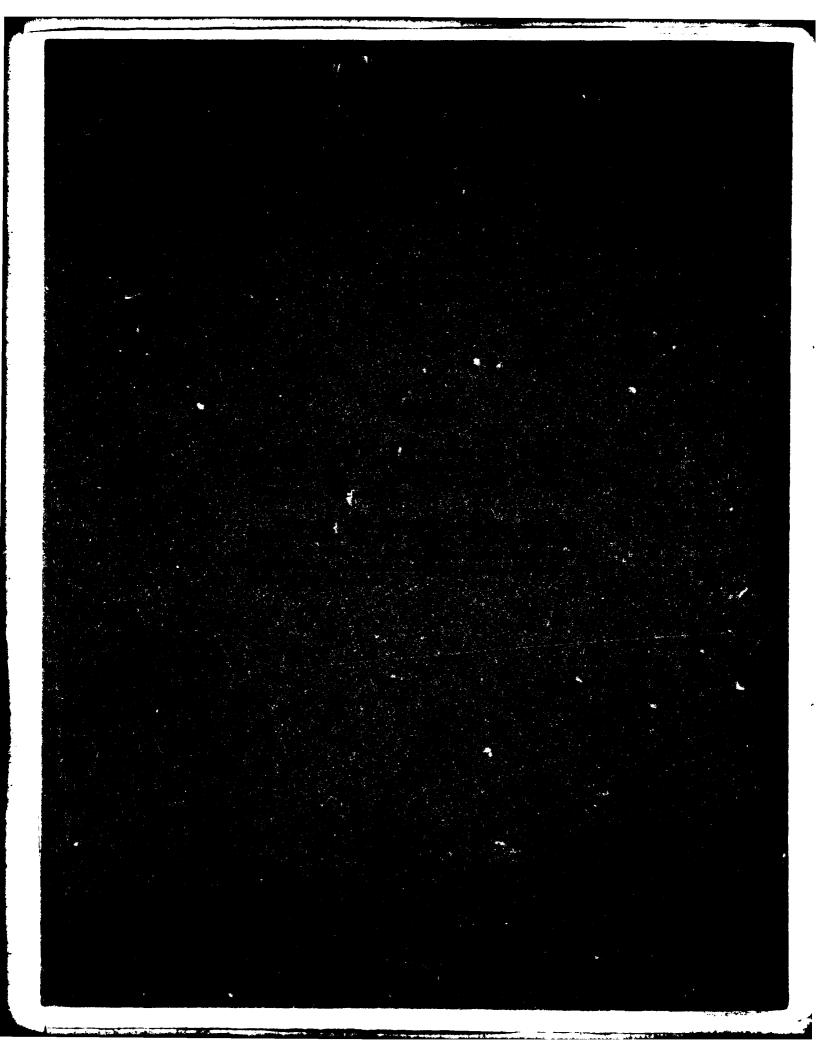


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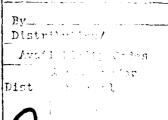
REPORT DOCUMENTATION PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER DR 1237 DR 1237	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Substitio) 19305A MLRS, 19304B MLRS, Missile Numbers BN-021 BN-030, BN-024, BN-028, BN-015, Round Number:	5. TYPE OF REPORT & PERIOD COVERED
V-256/MD-96 THRU V-260/MD-100	6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(e)	8. CONTRACT OR GRANT NUMBER(a)
ASL White Sands Meteorological Team	DA Task 1F665702D127-02
9. PERFORMING ORGANIZATION NAME AND ADDRESS	10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS US Army Electronics Research & Development Cmd	12. REPORT DATE May 82
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17. DISTRIBUTION STATEMENT (of the abetract entered in Block 20, if different fro	en Report)
Approved for public release; distribution unlimited	•
18. SUPPLEMENTARY NOTES	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)	
20. ABSTRACT (Continue on reverse etch M necessary and identity by block number) Meteorological data gathered for the launching of t	ho 103050 10304P MI DC
Missile Numbers BN-021, BN-030, BN-024, BN-028, BN-MD-96 THRU V-260/MD-100 presented in tabular form.	

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INTRODUCTION

19305A and 19304B MLRS, Missile Numbers BN-021, BN-030, BN-024, BN-028, and BN-015, Round Numbers V-256/MD-96 Thru V-260/MD-100, were launched form LC-33, White Sands Missile Range (MSMR), New Mexico, at 1400, 1400-05, 1405, 1405:05, and 1405:10 MDT, on 07 May 1982. The scheduled launch times were 1300, 1300:04.5, 1303, 1303:04.5, and 1303:09 MDT.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteoro logical Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods

1. Observations

a. Surface

- (1) Standard surface observations to include pressure, temperature (°C), relative humidity, dew point (°C), density (gm/m^3) , wind direction and speed, and cloud cover were made at the LC-33 Met Site at T-0 minutes.
- (2) Anemometer data were provided from existing pole-mounted and tower-mounted anemometers at LC-33. Monitor of wind speed and direction from one anemometer was also provided in the launch control room.

b. Upper Air

(1) Low level wind data were obtained from pilot-balloon observations at :

SITE AND ALTITUDE

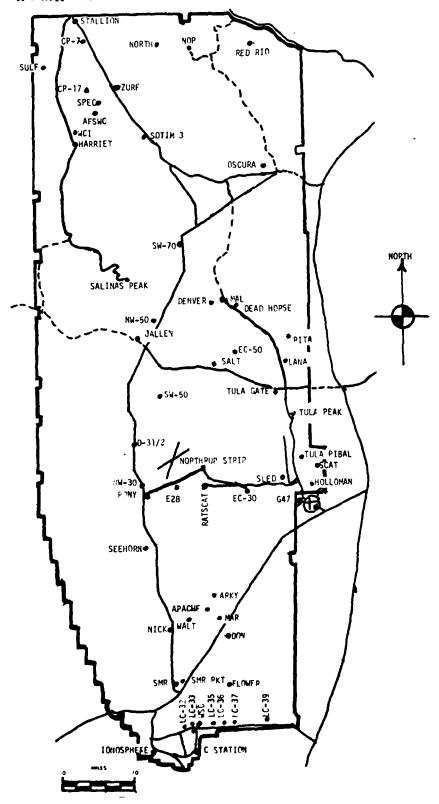
WSD 2 Km Don 2 Km

 $% \left(2\right) =0$ (2). Air structure data (rawinsonde) were collected at the following Met Sites:

SITE AND TIME

WSD 1000 MDT LC-37 1100 MDT WSD 1200 MDT LC-37 1300 MDT WSD 1400 MDT

WSMR METEOROLOGICAL SITES



		, , , , , , , , , , , , , , , , , , ,
		HODTH
	LC-33 Launch Area	NORTH
	WEST	-60
	1 inch	= 250 ft -
Wang rag		-
Y136,5Q0	u	
	J. B.	•
	5 1	
	L'IN	-
	7	
	• Aneniometer Pole	#3
Y186,000	O Anemometer Pole	#2
MET O 1-9 Radar	L-579A 0 0 L-519A	
	1-351A A = 01-350A	
	L-351A 0 = 0 L-350A	
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•	Anemome ter	,
	用の印	-
	A. A.	
Y 185,500		
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X435,000	500	•
१८२	X485 ,500	
X X	7% _	
V105 320	L-	600
Y185,000		
1		
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Willerossi Blebens 100000

10年の一個の機能を対象を対象を行っています。

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CLEAR	CLEAR	(1)	+								CLEAR		
							-				CLEAR		

SYCHOLOGICAL CONTRACTOR

TITE: MDT	1400	1405	
DRY BULB TEMP.	26.0	26.0	
WET BULB TEMP.	11.1	11.1	
WET BULB DEFR.	14.9	14.9	
PSW POINT	-3.4	-3.4	
Cirril Still 190	14	14	

FOIE #1 X485,874.29 Y185,958.90 H4018.74 38.7 ft. AGL		POLE #3 X485,876 Y186,012 H4033.5 53.0 ft	4.93 2.00 7		X485,871 Y186,116 H4063.92	POLE #3 X485,877.29 Y186,116.06 H4063.92 83.6 ft. AGL		
F-TIME SEC	DIR DEG	SPEE0 KTS	T-TIME SEC	DIR DEG	SPEED FTS	T-TIME SEC	DIR DEG	SPEED KTS
T- 30	209	04	T -30	MISG	04	T - 30	192	09
T-110	195	03	T -20	MISG	03	I -50	204	08
.T-10	196	04	T -10	MISG	03	T -10	205	80
TO.0	197	04	T 0.0	MISG	03	T 0.0	211	09
T+10	202	04	T +10	MISG	02	T +10	191	06

:ADLE	OROLOGICAL TOWER	ANEMOMETER MEASUR	ED WINDS (202	FT TOWER)
-------	------------------	-------------------	---------------	-----------

11 VLL #1, 1.		73, H3983.00 (base)	LEVEL #2, 67 X484.982.61		3, H3983.00 (base)
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
T - 30)	189	04	T- 30	196	03
T 0	231	03	T-20	223	04
T-10	238	05	T-10	232	07
T.J.0	232	05	T0.0	239	10
T+15	243	09	T+10	245	10

\ EVEL #3, 10 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		1, 43483.00 (base)	T TEVEL #4, 20 X484,002, Y1	TEVEL #4, 202 FEET X484,952, Y195,057.73, H3983.90 (base)			
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS		
T-31	201	05	T - 3.)	211	09		
T = ();	211	06	T -20	210	08		
T-10	231	07	T-10	219	10		
(T(*,!)	230	11	T 0.0	224	10		
T + 161	232	11	T+10	225	07		

FOLE #1 X485,874 Y185,958 H4018.74 BB./ It	3.90 1		POLE #2 X485,874. Y186,012. H4033.57 53.0 ft.	00		PO!! #3 X485,877 Y186,116 H4063.92 83.6 ft.	.29 .66	
1-71ME SEC	DIR DEG	SPEED KTS	· -	DIR DEG	100000 110		DIR DEG	SPEED KTS
T- (a)		MISG	I -30	187	.05	I -30		MISG
T-170	213	07	I -50	161	08	I -53	170	07
T-10	186	08	T -10	159	.05	T -10	203	07
: T).0	200	07	T 0.0	183	03	T 0.0	210	10
T+10	214	09	T +10	171	05	T +10	170	08

LC-33 METEOROLOGICAL TOWER ANEMOMETER MEASURED WINDS (202 FT TOWER)

11 VLL #1, 12 GB4, 382.64,		73, H3983.00 (Hase)	LEVEL #2, 62 X484.987.61,		3. H3983.00 (base)
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME -FC	012 DEG	SEEFO KIS
I-30	213	04	T -30	216	04
T 10	228	05	T -20	219	05
E10	209	04	T -10	212	04
10.0	209	04	10.8	200	03
P10	225	04	T +10	225	03

.EVEL #3, 10 x484,102.64		3, 43483.00 (base)	TEVEL #1, 20 X484,982, Y1		3983.00 (base)
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
T	202	03	T -30	200	05
: : F . U	210	06	T -20	207	07
Flu	172	07	T -10	197	08
J.O	150	06	T 0.0	200	07
ויד 10	189	03	T +10	200	10

T-TIME PILOT-BALLOON MEASURED WIND DATA

DATI 07 May 1982

SITE: WSD

TIME: 1416 MDT

WSTM COORDINATES:

 $\chi = 488,580.00$

y 185,045.00

μ. 3,989.00

SITE: DON

TIME 1400 MDT

WSTM COORDINATES:

 $\chi = 511.988.37$

 $\gamma = 247,396.36$

H= 3,996.83

LAYER MIDPOINT	DIRECTION	SPEED
METERS AGL	DEGREES	KNOTS
SURFACE	170	02
150	306	03
210	276	04
270	211	03
330	199	04
390	278	01
500	332	03
650	255	01
800	160	03
950	087	03
1150	079	03
1350	121	06
1550	142	02
1750	150	02
2000	182	80

Data obtained form Nike-Herc Radar tracked pilot-balloon observation.

LAYER MIDPOINT	DIRECTION	SPEED
METERS AGL	DEGREES	KNOTS
SURFACE		CALM
150	306	04
210	334	06
270	336	04
330	331	05
390	311	06
500	338	04
650	003	04
800	011	03
950	003	02
1150	302	01
1350	173	01
1550	129	01
1750	107	02
2000	152	04

Data obtained form RAPTS T-9 Radar tracked pilot-balloon observation.

TABLE 7

AIMING AND T-TIME COMPUTER MET MESSAGES

07 May 1982

WSD 1000 MDT	LC-37 1100 MDT	WSD 1200 MDT
METCM1324064	METCM1324063	METCM1324064
071600122882	071700124881	071800122882
00222002 29370882	00196003 29190881	00409005 29800882
01328004 29030872	01301005 29090870	01420004 29440871
02335003 28730846	02275005 28850845	02362006 29090846
03436002 28500807	03317002 28480806	03407008 28690807
04530004 28110760	04495006 28060 759	04343004 28210760
05526006 27670715	05519009 27710714	05603007 27740715
06581008 27470672	06564008 27440671	06605009 27400672
07543008 27270631	07500009 27210630	07492011 27320632
08535011 26950593	08522012 26890592	J8494012 26960593
09561014 26650556	09553013 26580555	09534012 26620557
10554013 26340522	10555012 26230521	10524013 26300522
11520012 25950489	11518014 25830488	11495017 25920489
12495015 25320442	12489016 25200441	12484018 25280443

LC-37 130	OO MDT	WSD 1400 M	TDM
METCM1324	063	METCM1324	064
071900124	880	0720001228	380
00000000	29550880	00267006	29820880
01640006	29440870	01281009	29700870
02491002	29170845	02326008	29390845
03510004	28750806	03317010	28920806
04331003	28250759	04290006	28420760
05045001	27790714	05222003	27940715
06531004	27440671	06419006	27550673
07483010	27210631	07489017	27310632
08502012	26910592	08483016	26940594
09519013	26600556	09477012	26610557
10508012	26270521	10486010	26330522
11488016	25910488	11484018	25960489
12484022	25260442	12475023	25280443

JEGOLTIC COONULAATES 32.40043 LAT DEG 106.37033 LOH DEG																													
۷ ، ۷		H. L. HUM.	アにおくになり		45.0	42.0	43.0	24.0	24.0	42.0	20.U	22.0	0.05	45.U	<2.0	23.0	0.4%	0.45											
SIGNIFICATI LEVEL DATA 1279026190	TABLE 8	TEWPERATORE	DEWPOINT	DEGREES CEMTIONADE	7.1	7•0	1.3	-3.5	-8.3	-17.0	カ・たてー	-42.4	4447-	-25.5	1.67-	141.1	0.84-	J. 6.7											
\$1601F JA 11 113	TABL	1E.P.	AIK	DEGRELS	19.3	15.4	13.0	11.0	11.6	1.6	1.0	-3.9	-6.8	-7.5	-12.4	-56.2	-35.1	-36.8	4-24-	-51.6	-55.2	-58.6	-60.1	-61.1	-58.3	-56.8	-60.8	-59.3	-61.2
4 5.		PINESSURE UFOMETHIC	AL TITUDE	RILLIBARS MSL FEET	3964.0	4308.8	5018.0	5.854.4	0501.2	10282.6	12169.3	14679.3	10106.4	10940.6	19604.9	24404.0	201144.2	23927.3	31087.4	35004+3	30924.5	39750.2	41493.3	42030.3	45099.3	45704.9	51423.5	52692.3	54084.3
STATION ACTITUDE 3989, 10 FLET 45L 7 HAY 62 ASELISION WO. 196		PIVESSUR		EILLIBARS	682.0	0.22.0	0.50.0	854.6	₩-50B	701.0	e51.8	7.564	9.884	545.4	0.003	0.004	2,543	330.2	7005	550.0	589.6	500.0	183.8	179.0	170.0	150.0	113.8	167.0	100.0

STATION ACLITUM 7 MAY 82 ASCENSION 140.	STATION ALIITUUL 3939 7 MAY 82 ASCENSION 80. 196	39.ro FEET 1000 MDT	75 M 1		UPPLR ATT UNIA 1270020196 THIE SANDS	A 1 4 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		0£0DL11C 02.40 106.33	DETIC COUNDINATES J2.40043 LAT DEG 106.37033 LOH DEG
GEUNETRIC ALLITUDE MSC FEET	PRESSURE MILLIDARS	TEMPE AIK DEGKLES C	TEMPERATURE K DEWFOINT LES CENTIGRADE	REL.HUM. PERCENT	LENSITY GM/CUB.C MLTER	SPEEU JE SCUND NNO1S	"IND DATA "INC D	SPEED NNOTS	INDEX OF REFRACTION
3989	882.0	19.3	7.1	45.0	1041.11	067.1	0.0.34	1.9	1.0002/8
4000	881.7	19.2	6.9	÷	1040.5	0.700	140.4	1.9	1.000.277
4500.5	მიი•ი	14.9	2.5	42.3	1044.0	2.290	7.41	1.5	1.000205
3 . 000¢	850 • to	13.6	1.3	43.0	1030.1	7.000	17.9.0	1.4	
5500.0	835.5	12.6	-1.4	57.8	1015.5	059.0	7.00	1.8	1.000252
~0000n		11.8	-4.5	31.7	1000.9		U • C > 2	1.8	
c500• n		11.6	-8-S	24.0	983. 7.		υ. 	٠. د د	1.000235
∴•00u/		10.3	2 t	23.1	0.076 0.080		C • (1.7)	7.0	
7500.0	7,001	- r	/ • 01-	C. 5.0	0.70%		1.06.7	φ. 4 • 4	1.0003.0
00000		707	12.0	20.00	0.040	0.000	0.767	0.4	1.000218
5.0006	734.1	5.1	10.5	22.7	910.1		677.5	5.7	
9500.0	720.6	3.8	-15.7	22.4	905.5	7.040	0.467	6.3	
100001	707.4	2. 5	-16.9	22.1	893.1		4.6.00	7.1	1.000207
10500	694•3	1.7	-17.8	21.0	879.2		343.5	6.2	1.000203
11000.0		1.5	-18.5	21.2	863.4		340.5	8.1	1.000200
11500.0 17008.0	603 • 5	1 • 1 • • 3	-14.8	20.7	847.9 837.	0 t t t t t t t t t t t t t t t t t t t	V•050	7.7	1.000196
12500.0		3	× 61-	. O.	810.		316.6	7.4	1.000189
13000.0	631.4	9•-	7-20-4	20.7	BOU.E		302.0	9.1	1.000166
13500.3	9.619	-1.6	-<1.0	21.1	7. 40L		4.90.0	10.3	1.000103
14000.0	607.8	-2•6	-21.6	21.5	782.0		4.06.7	11.1	1.000100
14500.0	590.3	ທ. ກຸ	-42.5	21.9	770.0	_	7.000	11.2	1.000177
1.00061	084.0	ກ ເ • • • •	-23.2	21.6	0.50.		305.0	11.3	1.000174
15500.	575.7	ດ : ເ	-24.5	20.9	7.01/	-	310.0	11.8	1.000171
(000ca	54146	-0-4	C-C2-	V . 0 .	727	# 0000 0000	71717	10.	1.000168
17000	541+1	-7.6	1,500	22.0	703.6	-	317.1	13.3	1.000162
17500.0	530.6	-8-B	126.0	22.0	690.9		4.010	13.7	1.000159
140000	520.2	-10.0	-27.0	22.0	68u.4		0.010	13.8	
16500.0	510.1	-11.5	-28.6	22.0	676.0		30.00	13.7	
0.0004	500.1	-12.4	-29.to	22.0	0.799	029.2	0.00	12.7	1.000152
19500.0	U•06h	-13.7	-20.7	22.1	057.0		290.6	11.9	1.000149
·00007	480.1	6.41-	-51.7	22.5	7.7.7	_	24. V	11.4	1.000147
C.00cuz	t • 0 / t	-16.2	525-	22.5	3.759		7 - 7 - 7	7 - 1 - 1	1.000144
210004	0.004	11.	a :	t • > >	1 • 1 20	_	0.073	0.01	241000-1
10007	0 • I G •	100-1	3.40-	2.00 2.00 2.00	0.810		0.072	14.0	1.000129
	17 1 1	2.0	6 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00	900		7	10.0	1.0001
23000	424.7	2.76-	ا رود د عرا	26.00	590.1	010.0	7.0.27	16.3	1.000133
	J	1)	j	1		,		

STATION AL	⊇ .	39.00 FLE	FLE 1 MSL MDT	_	UrPER AAR GATA 12700c ⁰ 190 hHITE JANGS	4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		JEOULTIC 32.40	C002
ASCENSION NO.	NO. 196				ш	9 Cont'd		106.	106.37033 LON JEG
GEOMETRIC ALIIUDE MSL FEET	PRESSURL FILLIBARS	TEMP AIK DEGKEES	TEMPERATURE AIK DEWPOINT GREES CLNTERADE	REL.HUM. PERCENT	CENSITY : GM/CURIC MLTER	SPEEU OF SOUND RNOTS	"INCCITON SPEED ULGREES (N) KHOTS	SPEEU KHOTS	INJEX OF MEFKACTION
2.00048.7	415.01	H - 2 5 - H	0 0, 1	92.60	581.		. • (13.)	16.0	1, 400.1 51
•	40.7.4	0.40-	0 1 0 1	20.00	572.5		1.67.7	15.8	1.000179
24500.0	399.4	-26.3	-41.1	23.0	564.5		K.107	15.8	1.000127
0.00052	390.9	-27.5	-42.1	23.3	554.4		C•C97	16.0	1.000124
25500.6	382.7	-28.8	-43.1	23.6	545.4		291.62	17.0	1.000122
3.00002	374.6	-30.0	0.44-	23.9	530.0	_	7.0%7	18.5	1.000120
200002	30000	-31.5	G • G b =	1.42	0.026		0.167	10.0	011000-1
0 · 000/ >	550.9	-32.5	n•94-	1 to 10 to 1	319.5		7.667	7.61	1.000116
2/200-1	0.100	130.	(i • / + ·	/ • h = /	1.110		6.316.3	01	+110001
200007	247.	-35.0	0 • 0 • 0	25°0	6.200		#•0.22 	10.7	1.000113
0.0000	1000	130.0	20.83	10.02	Tehin		3.002	7 • 7	1110001
2.00062	1.626	3/*(0.00-	****	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		0.17	78.5	\$01000·1
C-00062	521.9	0.86	103.4	**h•Ω!	C•//+		7.4.7	7 · · · · ·	1.000107
3.00000	074.0	33.0	g•/a-	**0*21	0.604		7.4.7	70.0	1.000105
300000	70.00 70.00	6.041	163.5	****	0.101	293.	100/7	0.00 0.00	1.000101
0.00010	3.100	7 - 7 - 1	2.//-	± + ∩ • T	2.404		7//	27.5	
0.00000	287.7	40.4			430.4		3.07.7	27.6	1.000048
32500.0	281.2	45.7			430.0		27.50	27.5	1.000096
23000		-46.3			423.0		271.00	27.5	1.000094
53500.0		-48.0			410.0		5.012	27.8	1.000093
34000+C	262.5	-49.1			4000		7.012	28.1	1.00001
34500 B	250•6	50°3			0.104		K-002	29.5	1.000089
320000	250.1	-51.5			0.400		20/07	50.5	1.000068
35506.0	244.9	-52.4			386.0		7.00%	32.0	1.000066
3000oc	239.2	153.4			2.670	5/1.5	C•CO7	53.9	1.000084
500cac	233.0	154.4			3/2.0		1.402	55.5	1.00003
3,000,0	Z • 0 Z Z	150.0			757	0.070	7.77	20.4	1000001
0.00000	217.5	-500 -500 -500			7.750		V-102	39.3	1.000078
38566	212.3	-5.7.1			342.04		3.077	6.04	1.000076
3900000	207.3	-57.7			335.2		₹• 007	45.4	1.000075
59500.		-58+3			350.5		2.00.2	6.64	1.000073
40000	197.	- 56∙8			321.2		Ç•00≥	45.3	1.000072
9.0000+ 9.000	192.9	-59.2			314.1		7•D02	9•9 1	1.000070
41000 ·	7.081	7.65-			20100	•	7.007	7.8.	1.000068
41500.P	183.	-60-1			300.5	9.000	0.042	æ•6 †	1.000067
45000	179.5	-61.0			0.46%		7.007	511.5	1.000000
2500.	0.571	6.63-				л.	7.107	53.0	1.000004
43000.0	170.6	-58.6			2.1.2	2.0.5	7.707	34.0	1.300062

** AT LEAST ONE ASJUMED RELATIVE HUGI IIY VAEUE "AS USED IN THE INTERPOLATION"

9200211c COONDINATES 32.40043 LAT DE0 196.57033 LOH DEG	INDEX OF REFRACTION	1.000059	1.000057	1.000056	1.000054	1.000053	1.000052	1.000051	1.000050	1.000049	1.000047	1.000046	1.000045	1.000044	1.000043	1.000042	1.000041	1.600040	1.00000	1.000038	1.000003	1.000057
32. 32. 190.	14 SPEEU NAOTS	56.2 57.8	57.4	56.2	54.7	52.8	50.9	50.7	50.6	50.8	51.4	52.0	50.4	40.0	46.6	44.3	45.4	41.3	40.2			
	DESKERS(IN) NI	0.505 V.505	C • C O .	ヘ・ブハブ	201.0	G+002	K-607	/•(in>	7.1.0	たってつ?	7.CQ7	0.402	7.07	4.002	0.002	7.002	0.CD2	Z-00-7	0./17			
Sont'd	SPEEU OF SOUND NNOTS	571+3	572.1	572.5	572.9	574.0	572+3	571.8	571.4	570.9	570.4	570.0	569.5	504.0	ა-გივ	566.1	567.6	55000	9.69	1.699	50000	567.5
UPPEP AIR UNIA 127404019u WHITL SALOS TABLE 9 Cont'd	DENSITY S GM/CUBIC METER	270.1	250.7	250.3	7.442	230.3	233.0	227.6	222 • 6	217.8	210.0	2000	200.0	133.0	194.6	190.0	185.9	181.0	170.1	172.1	160.5	164.3
	REL.HUM. PERCENT																					
MDT MSL	TEMPLAATURE AIK DEWFOINT DEGKEES CENTIGRADE	1 ع	5	~	6	0	.	7		*	8		5	æ	2	5	7	1	5	7	=	1
1000		-58.1 -57.9	-57.5	-57.2	6•a5 <u>-</u>	-57		-57.7		#+8G-						-69	-60.7	-60.1	-59.5	-59.7	4.0.9	-61·1
111UDE 35	PRESSURE MILLIDARS	100.3 162.8	150.9	155.5	151.5	147.9	144.3	140.9	13/•5	154.3	131.1	12/.9	124.9	121.9	113.0	110.2	113.4	110.7	100.0	105.4	102.9	100.4
STATION ALIITUDE 3939.00 F _E ET MSL 7 MAY 62 ASCLUSION NO. 196	GFUMETRIC ALTITUDE MSL PEET	4.5500.0	6.00CH+	42000•0	45500.F	J•00004	40500.0	47000	47500.0	40000°	43500.0	0.000k	0.0036+	5.0000c	0.00000	51000.3	₽1500•ª	0.00020	52500.0	0000cc	53500	0*000

veODLTIC COONDINATES 52.4u043 LAT DEC 106.57033 LON DEG																				
vEODL 11C 32.4 106.3	Ā	SPECE NANOTS	⊅•	1.9	7.7	4.6	7.0	11.2	14.9	14.7	15.2	8°CT	8./1	h•/>	50.95	S*58	55.0	54.0	50.5	
	ALM LAIL	UIKEC 1 10N I, EUKEES (IN)	179.3	259.0	7.182	517.1	317.)	299•0	317.9	300.1	275.5	281.0	2.162	279.0	201.0	250.0	201.1	200.0	702-1	
ر در د د د اد د	ירוןןןייןיי		• (3	24.	25.	22.	20.	.52	21.	•77	24.	25.	25.							
ALTOSETOS 1270320130 HITE SHADS TABLE 10			1.5	-0.7	-13.0	-17.0	7-61-	-22.0	1-52-	-29.7	-35.0	-41.1	-47.1							
4	TEMPE	AIR DEWPOINT DEGREES CLNTIGRADE	13.6	11.1	9•9	1.8	6.	-3.2	-7.2	-12.4	-18.9	-26.2	-34.0	カ・スカー	-51.6	9•84-	6.65-	-50.8	4.66	-61.2
พระ	OPO1ENTIAL	FELT	5014.	60,40	8432.	10272.	12229.	14523.	16563.	18978.	21596.	24425.	27545.	51026.	54 988.	39055.	42393.	45582.	49350.	53916.
STATION ALFITUDE 3939.90 FEET 7 MAY 02 ASCENSION NO. 196 1000 MDT	PRESSUME GLOPOTENTIAL	MALLIBARS	0.058	0.008	753.0	0.007	0.000	0.009	550.0	0•105	0.034	0.00¢	350.0	9•30£	520.0€	0·00€	175.0	0.961	125.0	100.0
s =																	1	2		

** AT LLAST ONE ASSUMLD RELATIVE HIMI.TIY VALUE "AS USED IN HE INTERPOLATION»

VEODETIC COONDINATES S2.40175 LAT 01.6 106.31232 LOH DEG											
۷۱۷	REL . 11014. PERCENT	0.00	51.0	39.0	0.07	10.0	15.0	15.0	0.41	17.0	18.0
516.11 10.6.17 LEVEL JAIA 12701.0004. LC-37 TABLE 11	TEMPLRATORL AIR DEWPOIN: DEGKELS CENTIONAUE				8.2 -13.4	2.7 -40.0			-8.0 -00.7	-13.53.2	
	PRESSURE GEOMETRIC ALTITUGE *ILLIDARS SSL FEET OF	4051.4				10310.0					
STATION ALTITUDE (UST-37 FEFT) MSL 7 MAY BZ ASCENSION MO. 42	PRESSURE * 1LL1DARS	7.080	0.50.0	791.6	773.4	700.0	617.4	568.5	9.000	D. NHc	0.004

JETTC COORUINATES J2-44175 LAT VEG 106-31232 LON VEG	INDEX OF REFRACTION	1.000267	1.000253	1.000249	1.000246	1.000242	1.0002.7	1.0002.0	1.000216	1.000212		1.000020	1.00001				1.000165		1.000178		1.000170	1.000167	1.000104	1.000159	1.000156	1.000159	1.000152	1.000149	1.000147	1.000144	1.000142	1.000140	1.000157		1.000131
JE 002 11C J2+40 106+31	SPEED ANOTS	2.9	2.1	1.9	5°0		3.7	5.8	8.1	٠ ن ن	ည ရ သ	9,0	8.0	7.6	7.1	7.6	3.	10.4	11.7	11.8	11.9	12.2	12.8	12.9	12.6	12.5	12.8	13.3	13.8	14.3	÷.	15.	٦٤		***
	ULINE DATA ULINE S ULUKELUTIA) N	110.0	102.0	7.007	1/1.0	7.557	0.7/7	271.3	6.013	/ • / / 7	7.407	1.700	3,577	D. 1.0	C+005	6.067	2020	C07	7.00	C+062	C+062	7.0.JC	/•010 /•010	317.5	311.5	366.5	7.16.7	7.57	¥.00.7	U-C22	4.007 4.007	7.077	7.17	C . T . Z	C+1.7
4 E	Street of Souling KNOTS	065.7	-			00/00 00/00 00/00	_						6.040 						0 1 0 1 0 1 1 1				0•0€0 0•4€0							5.070	0<1.7	050.5	0.010	1.10	010.0
UPPER AIR DAIA 1270100042 LC-37 TABLE 12	DENSITA : GM/CUBAC METER	1050.c	1025.9	1014.5	3.666 2.666	97.1.76	3.096	940.5	934.0	910.5	0.00F	0.1.0	36.4.5	34.9.0	833.7	326.1	800.0	700.0	771.7	760.1	740.7	730.7	724.1	701.0	5.169	0.189	670.9	660.5	650.5	7.040	#•0£9 .30	0.050	1.110		5.0 5.0 5.0
3	REL.HUM. Percent	36.6 33.7	51.2	32.9	34.9	30.00 30.00	54.0	19.5	18.7	18•0	7.05	1000	15.6	15.0	15.5	15.3	15.2	0.01	0.61	15.0	15.0	14.8	1 to 0.	6.41	15.0	16.3	17.0	17.1	17.2	17.3	17.4	٠ • •	17.5		17.8 17.8
1 MSL	LEMPEKATOPE n DEWLOLUT EES CENTIGKADE	\$ 0.0	-1./	7.6-	9.2-	-3.1	-100	-14.4	-15.7	-17.0	13.4	→ '	0.07	7.57	-22.	3.5	-24.5	6.42	1.021	0-63-	-68.5	-29.3	1.00-1	-31.4	-32.0	-32.6	-53.2	-3/4 • 2	-35.2	5.95-	2.75-	2. HO	2.65. € 6.11	7.64	-42.5
11.37 FEET 1100 MDT	LEMP AIN DECREES	17.9	15.2	13.8	12•4	11•0 9•6	3.3 5.5	7 - 14	D•4	٠ ن د ن د	† * †	0.0	1.7	1.0	in)	F. 3	1.0	7.1-	0.7-	-5.0	-6-1	-7.0	-7.6 -8.4	9.6-	6.01-	-12.2	-13.5	-14.7	-10.0	-17.2	-18.5	2.61	-21.0	0.37	104.3
θυε 495 42	PRESSURE MILLIDAKS	380.7	851.3	830.6	320.9	741.7	771.2	702.9	748.8	735.6	701	1.00%	681.9	609.1	650.5	2.449	632.1	Z•0Z0	590.	580.3	574.1	503.1	552.2	530.9	520.5	510.3	500•3	490.1	400.5	4.02.5	0 • 0 0 ± 0	C•IC+	442.5	3 40 5	6.014
STATION ALLITY 7 MAY 82 ASCENSION NO.	GEOMETHIC ALLITUDE ASL FELT	4051.4 4500.0	>0005	5500•0	3.0000	0.0007 0.0007	7500	0.00na	a500 c	00006	(•00a6	7.0000	11000	41500·	12000	12500	15000.	5.00001	14500	₹2000	15500	10000.	16000	17500	1.00001	1.0500	1,3000.1	49500 •	~00un>	<u>000cn</u>	~1000···	4.00027	22000 · j	.00034	c 2000c z

.EODLTIL COONDINATES 52.40175 LAT JEG 106.51232 LON DEG	LINECTION SPLEN OF ULESHELN(H) NHOTS MEFRACTION	1.000129
U, P.R. AAR UM. CA 1270100042 LC-37 TABLE 12 Cont'd	TEMPERATURE RELIMUM, DENSITY SPEED OF ALL DEMPOUNT PERCENT GM/CUBIC SOUND OF BEREES CENTIGRADS NESS	17.9 574.4 612.4
STATIGN ALITIODE 4051.37 FEET MSL 7 MAY 32 ASVENSION NO. 42	UEUMETRIC PRESSURE TEMPERATURE ALIJOUE AIR DEMPOINT MSL FELT MILLIBARS DERREES CENTIGRADE	240000.5 407.5 -26.1 -43.5 17.9

0E0DLTLC COUNDINATES 52.40175 LAT 0E6 106.31232 LOH DEG	IA SPELU	5101		2	•	.	2 1	•	G.	n	g.		
9 t	LAIA	ž 2	١.	~ -	- 1	5° 1	٠	77.	14.	1 c' •	10.		
	"INJ DATA	-	1,000	2000	273.4	315.0	2.662	*** KRZ	315.4	291.1	275.5		
ا خ	KEL-MAN) 	.10	30.	14.	10.	15.	15.	14.	17.	17.	. 7	
AAA,DATOPY LLULS 1276146042 LC-37 TABLE 13	TEMPLRATURE	DEGINES CLNTIGRADE	-1.5	J. 7.	-15.0	-2000	-23.5	-50.4	7.115.	-33.6	4.85	7 7 1	1 •
16.34 	TEMPL ATE	DEGIRES C	15.1	10.4	6.5	2.7	0:	-3.6	-7.7		0.02	0.21	J• / .'-
۶ ۱	OPOTENTIAL	FLLT	40.304	6708	H1157	10.300	12250	14 /40	16.001	10001	01.601	21200.	24410.
4051.37 FEET MSL 42 1100 MDT 42	PRESSURE GLUPUTERITAL	MALLINARS	0.1.0.0		0.000	0.007	0.00	0.000	0.00%	0.00°	0.005	0.904	0.004
ין יוס• מקק נו יוס•													

To de Charles

CHITE SALL	-	_ 1200 MD	ויק	14A Y
12790411	t I MSL	110N ALITIDE 3989-AO FEET MSL	411110c	101
UFP, RAIR U.				

A CONTRACTOR OF THE PARTY OF TH

STATION ALITY 7 JAY CZ ASLENSIOU JO.	STATION ALITTUDE 3989 7 MAY 62 ASCENSION NO. 197	39.00 FEE1 1200 MDT	I MSL	-	UFPER ATR D. 1270020197 WHITE SAMOS TABLE 15	۲ کاری در کاری کاری کاری کاری کاری کاری کاری کار		∪£∪U∟T1 J2• 1∪6•	o£.OU_TIC COUNDIANTES JZ.4UU43 LAT OEG 1U6.3/U33 LON DEG
GEUME TRIC	PRESSURE	7 Y	TEMPEKATURE VENFOINT	REL .HUM. PERCENT	DENSITT GM/CURIC	Sereta of Sobia	LIND DATA	1A SPEEU	INCEX
FISE FEET	"ILL IDAKS	DEGILES	CENTIGRADE		WETER	NAOTS	ULGKLL 11N)	KI:015	KEFRACTIOI.
3989.0	681.5	23.7	3.5	25.0	1031.4	074.3	3.002		1.000261
	2.100	22.0	* · · · · · · · · · · · · · · · · · · ·	6.47	0.4001 0.4001		6.677	7.5	1070001
\$ 000 a	302.0	19.0	0 • 5 -	22.2	1.0001	0000	74.00		192000-1
5,000,0	845.0	16.0	2001	70°10	1014.7	7.000	K.D.7.7	7.7	1.000247
C.0000	820.4	14.5		4000	991.5	600	4.0.6	7.7	1.000240
0.005u	805.7	13.0	-5.7	26.6	4.076	1.690	7.077	7.9	1.300257
7.0007	791.3	11.5	4.9-	27.H	1. 096	6.740	0.022	6.9	1.000235
7500	770.8	10.1	-8-1	56.8	950.0	2.050	213.6	გ•ა	1.0002≾8
3.0008	762.5	8∙ ₽	6.6-	25.4	0.146	0.440	7.007	3.9	1.00023
0.002u	748.5	7.4	-11.6	54.0	920.4	6253	7.037	1.9	1.000219
3•0006	734 • 8	0•9	-13.7	55.6	910.0	051.5	313.1	1.9	1.000214
9500.0	721.3	4.6	-15.b	21.2	90j.b	0.640	C.0CC	4.7	1.000210
10000	700.1	3•5	-17.6	19.9	1.168	D+7+0	3.0.00	7.8	1.000206
10500.0	6.469	2.1	5.61-	18.5	879.0	3.040	0.340	10.5	1.000202
11000.3	681.9	1.2	-21·0	17.2	865.	040.5	4.0+0	10.1	1.000199
11500.0	669.1	ب	-22.6	15.8	851.9	4.440	J • # C C	0°5	1.000195
12000.0	9•9 <u>6</u> 9	.2	-<3.3	15.0	≥•0€%	0.22	C. 110	α·α	1.0001
12500.0	644.2	1.0	-22.7	15•Ü	810.1	5.040	7.06.7	6°9	1.000167
15000.0	631.9		-23.5	15.2	800°	V.C.P.O	450.9 4.4.4	10.3	1.000104
13500.0	616.6	-1.2	5.47-	15.3	795.0	0.47.0	۲۰/۱۰	11.3	1.000161
1+000.0		-2.3	-<5.1	15.4	781.9	041.0	2.117	11.7	1.000178
14500.0	590.6	# · 10 -	6.00-1 0.00-1	15.6	770.5	7.650	6.072	12.0	1.000175
E-00071			1 • 0 V	0 'S'	747		14400	10.4	1.000120
2.0004 0.0004	20.00	X	C • 12 -	0.01	730.		0 • OC 3	12.2	
16500.0	552.3	7-7-	6.82-	16.0	725.8	2.000	302.	12.3	1.000164
17000.5	241.6	-8.1	4-62-	16.0	711.6	4.450	4.100	12.7	1.000101
17500.0	531.0	-9.5	-50.3	16.0	7007	1,35.0	200.7	13.0	1.000159
10000€	520.6	-10.4	-31.3	16.0	0.069	031.0	2.66.7	13.5	1.000150
16500.	516.4	-111-5	-32.2	15.0	4.6,29	2.050	7.007	14.2	1.000154
\$ 0006T	500.5	-12.6	-33.2	16.0	1.599	4.020	1.107	15.0	1.000151
19500.0	490.3	-13.9	-34.1	16.2	0.050	067.3	0.//2	15.9	1.000149
₹00007	# · 0 0 +	-15.2	-35-1	16.4	040.7	625.8	0.4/7	16.7	1.000140
3.00ch2	470.7	-16.5	-36.0	16.5	1970	24.5	7.77	17.4	1.000144
<1000.	461.1	=17∙8	-37.0	16.7	650.5	044.0	0.77	17.7	1.000142
21500 · 5	8°15'	1.61-	-37.9	16.9	01%	0.21-1	7.077	16.0	1.000139
0.00022	0.744	5006-	5.55°	1,1	r•r00	0.610	7.4.7	10.2	1.000137
C-00G22	4554	121.0	f. • Ω. • . · · · · · · · · · · · · · · · · ·	0.1	0.00 0.03	6.110	3.07.7	10.0	CC1000.1
2000cz	r.+2+	4.026	6.04	15	+• 7 in	t.10.3	0.11.7	20.01	CCTOOO

JEUDETTE COUNDINALES JESSONS LAT UEG 186537833 LOH DEG	1 F	1.000129
3	ALLO DATA DIRECTION SPEED LEGREES (14) ANOTS	
ر ز ر Cont'd	Sretu ur Sobiati NiO15	582.4 614.7 573.c 013.1
U, PLN AIN DAIA 12700-U197 HITE DAMOS TABLE 15 Cont'd	REL.HIM. DEUSITY STELU IN PERCENT GM/CURIC SUUID METER NIOTS	582.4 573.0
2	REL.HUM. PERCENT	17.6 17.8
75.F	1EMPERATURE AIN DEMPOINT DEGREES CENTIGRADE	-41.8 -42.8
9.00 FEET MSL 1200 MDT	1EMP A.I.A DEGREES	-24.2
111 ¹ 10E 39H	PRESSURE	410.3 407.8
51 NAY 02 7 NAY 02 12 NST 04 12 NSL 197	DEGALTRIC ALITIDE MSC. FEET "	5.5500.5 5.4000.5

JUG-37035 LUN VEG	262.6 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4	
1.0, 24, 1081 Levels 127:02:0197 1411 SA:005 TABLE 16	TEMPERATURE REL-RUGGE OF The Control	
JENTION ALITIUDE SYRGORO FEET MSE 7 MAY OF ASCENSION NO. 197 1200 MDT ASCENSION NO.	PRESSURE GEOPOLENTIAL MILLIRAKS FELT C 650.0 5012. 600.0 60.04. 750.0 8453. 750.0 10244. 600.0 10244. 600.0 12252. 600.0 14347. 600.0 14347. 600.0 14347. 600.0 18997.	

ULCDLTIC COGNUTINATES 32.40175 LAT DEG 106.31232 LUN DEG											
41 n	KEL.HUM. PERCENI	35.0	65.0	0.42	0.62	23.0	16.0	0.01	17.0	17.0	0.61
SIG. II ICANT LLVL LAIN 127010043 LC-37 TABLE 17	IEMPERATORE AIR DLWPOINI RFGNEES CENIIONAUE	5.1	-2.0	3•6-	-15.1	-17.5	-63.5	1.82-	0.62-	-32.u	オ・ワオー
216,1i 10	IEMPL AIR DFGNEES	21.2	18.4	10.1	3.0	1.3	6:-	-6.5	1.6-	-12.7	6.92-
45 _L	PRESSURE GEOWETHIC ALLITUGE WILLIBARS MSL FEET	4051.4	5622.1	7720.A	16327.8	11170.8	12962.2	15964.5	17284.5	14030.5	24484.4
STATION ALITIUDE 4051.37 Fret MSL 7 MAY 62 1300 MDT ASCENSION NO. 43	PRESSUM	1.619	0.050	771.1	1000	078.1	c33.5	564.3	6.484	0.003	0.004

	1300 MDT	131		1270100045 LC-37	ĵ J		32.40	S2.40175 LAT VEG
.				TABLE 18	~		106.	2 2
PIKESJURE	18 MP	TEMPERATURE UN JEWPOTUT	REL.HUM. PERCFNI	DENSITY GMZCHRIC	Si chu or	S DALA DALA	1A SPLED	Inct A OF
HILLION	DECREES	CLNTIGRADE			KI4015	DEDKELD (IN)	NOTO	KEFKAC T100
679.7	21.5	5.1	35.0	1037.4	1.690	•	٥.	1.000270
ರಿಕ್ಕಾರ	19.9	2 • 0	30.4	10201		4.000	€.	1.000200
b50.7	18.5	-1.8	25.2	1015.0	_	4.002	9•	1.000250
35.5	16.9	-3.0	24.8	1001.	2.600	4000	ō.	1.000245
8 5 0•5	15.4	2.11-	54.0	480.7		4.007	1.2	1.000240
805.8	13.9	1-9-	5 4 •5	970.4		4.001	1.5	٠
791.4	12.3	-7.5	24.3	7.496		4.0.7	1.8	•00023
771.3	10.8	6.6-	24.1	956.6		0.047	1.6	
763.2	۳. پر	-10.1	24•1	939.0		1904	1.9	
749.1	0•8	-11.2	24.3	921.1		1000	2.7	1.000219
735.4	9•9	-12.2	5.4.2	914.0		10.4.01	1.7	1.000215
721.0	5•3	-13.3	24.7	9000	-	0.001		1.000212
708.0	3.9	7:4:1-	54.9	900 H		3+0+0	1.3	
695.5	2.7	-15.6	94.6	877.0		2010C	2.7	٠
685.5	1.6	-17.0	23.4	h• h9a		0.00°	3.5	1.0000201
2000	6•	-18.5	21.7	850.0		6,74.00	4.6	1.000197
657.1		1.07	19•8 17•8	330°0	044.4	0.02X	76	1.000193
632.0	-1.0	-23.6	16.0	803.5		470.1	6.3	1.000105
620.5	-1.9	-24.3	16.0	790.5		71/17	10.0	
608.7	-2∙8	-25-1	16.0	784.0	-	21100	10.9	
597.1	-3•B	6+57-	16.0	771.6		21306	12.1	1.000176
585.7	L • h-	9.97-	16.0	754.7		4.1.05	13.5	
0.470	0.0-	h•/2-	16.0	3.7.5	_	F004	15.8	1.0001/0
763.	9•9-	-28.1	16.0	1.00/		7.067	13.7	
252.6	9./-	-28.7	10.4	124.5		4.167	12.0	1.000104
7.140	n 4 D 0	7.6%	₩. 10.	7017		7.77.7	11.5	1.000152
	0.01	3-07-1	17.0	0.40%	0.700	4 4 4 5 6 7	7.1.	1.000155
510.7	1	-51.7	0.7	680.0		201.4	12.7	
5000	-12.6	-42.5	17.0	4.699		2//5	14.1	1.000151
0.06h	-13.9	3.50	17.2	1.659		213.5	15.7	1.000149
480.7	-15.2	-34.5	17.4	3.640	U25.0	7.000	17.6	1.000140
6.014	-10.5	4.45-	17.5	1.954	2.420	0.012	19.2	1.000144
401.4	-17.8	-36.4	17.7	629.0	05.20	7.677	20.5	1.000142
452.5	-19-1	-37.4	17.9	015.1		C++/>	21.3	1.000159
442.13	4-02-	4-59-4	14.1	010.0	_	د ، ۲۰ ،	21.5	1.000137
433.9	-21.7	4.05-	16.3	1.104		0.U.2	21.9	り
423.1	-23.0	tr • 1) t, _	18.5	995.0	5.010	り・たつづ	22.5	1.000155
41.5	•		,	•				

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JEOUDETTE COOKUTHATES	06.01232 LON 0EG	INDEX OF REFRACTION	1.000129
ULUBLTT	106.	1A SPEEU NNOTS	
		TEMPEKATURE REL.HIJM. GENSITY SPLED OF "JUL DATA AIR DEMPOINT PERCENT GMZCUBIC SOUND OTACCTION SPEED EGREES CLNIIGRADE METER NHOIS OLGKEESTIN) ANOTS	
۵- ۲) ۲- ۲)	-3/ TABLE 18 Cont'd	SPEEU OF SCUND NHOTS	574.2 012.4
U.PER AIK CAIA 1270160043	LC-3/ TABLE	DENSITY GM/CUBIC METER	574.6
_		REL.HUM. PERCENT	18.8
T MSL		TEMPEKATURE AIK DEMFOINT DEGREES CLNTIGRADE	-42.4 18.H
11.37 FEE	1300 MDT	a	-25.6
111UDL 485		PRESSURE MILL18MRS	408.0
STATION ACITION 4051-37 FELT MSC	7 MAY H2 ASCENSION HO.	GEORTINIC PRESSURE ALITIUDE MSL FEET MILLIBARS	00047

0E0DLTIC C00NDIMATES 32.40175 LAT DEG 106.31232 LOM DEG	LEGRICASITUM SPELD LEGRICASITUM SPELD LEGRICASITUM KNOTS LEGRICASITUM KNOTS LEGRICASITUM KNOTS LEGRICASITUM KNOTS LEGRICASITUM LATA LEGRICASITUM LATA LEGRICASITUM LATA LATA LATA LATA LATA
	TEMPERATURE NEL-MUM. AIP DEMPOINT PERCENT 18.4 -2.0 2 13.2 -6.7 24. 4.1 -11.1 24. 3.0 -15.1 24. -115.1 24. 3.0 -21.1 19. -125.7 -24. -125.7 10. -125.7 10. -2.5 -24.0 10. -2.5 -24.0 10. -2.5 -24.0 10. -2.5 -24.0 10. -2.5 -24.0 10. -2.5 -26.0 10.
LLIIIUDE 4051.37 FEET MSC 52 1900 43 1300 MDT	PRESSURE GEOPOTENTIAL MILLIHARS FEET 8550.0 5015. 705.0 6705. 705.0 10510. 650.0 12274. 650.0 19010. 1500.0 19010. 1500.0 21613.

516;1H 1CANT LLVLL UANA 1-700-0190 MAITE SANUS TABLE 20
STATICA ALITIUDE 3989-00 FEET MSL 7 MAY G2 ASCENSION MO. 1988

oLODETIC COGNOTIANES 32.40043 LAT DEG 100.37033 LOG DEG

XEC-110M.	23.0 23.0 23.0 23.0 27.0 16.0 18.0 20.0 20.0
TEMPERATURE AIR DEWPOINI DEGREES CENITONADE	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
TEMPE AIR DEGKEES	24.1 20.7 14.9 6.3 4.1 1.5 2.2 -2.4 -7.3 -7.3 -23.9
VEUNETHIC ALIITHDE MSL FEET	3949.0 4974.3 5569.7 9531.0 10309.3 11221.3 11903.6 14030.1 16201.7 16570.9 19035.7 23321.8
PRESSURE CEUMETATO ALITTODE MILLIBARS MSL FEET	679.9 870.0 803.0 720.0 700.0 676.4 659.0 659.0 659.0 659.0

GM/CUBIC METER	1026. 1026. 1004. 995. 970. 956. 970.	11
ME I ER 1026 1026		21.0 -5.5.4 -5.5.8 -5.5.8 -5.5.8 -5.0 -5.0 -5.0 -5.0 -5.0 -5.0 -5.0 -5.0
31c)C4		1.0. 1.0. 1.0. 1.0. 1.0. 1.0. 1.0. 1.0.
99°		-5.5 -5.5 -5.5 -5.5 -5.5 -5.5 -5.5 -5.0 -5.0
y70		-5.8 -5.0 -7.4
320		-6.6 -6.8 -6.0 -6.0 -6.0 -6.0 -6.0 -6.0 -6.0 -6.0
ひない		-7.4 25.9 -7.4 25.9 -7.7 55.4 -9.3 57.4 -9.5 57.5 -9.5 57.5
921		-8.0 51.4 52.9 55.4 55.4 55.4 55.4 55.4 55.4 12.3 12.0 52.6
606	•	-8.7 52.9 -9.0 55.4 -9.3 58.5 -9.5 42.3 13.0 52.6
897 885		-9.3 58.5 -9.5 42.3 13.0 32.6
87,	50 FC	13.u 52
647	ے یں	_
616.0		-
50c.4	-	-22.9 16.0
782.0	- 0	-24.7 16.0
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109	.	•8 <u>19</u> •
	1 0	-39.0 19.8

106.57033 LON UES	INJEX OF REFRACTION	1.000151
JEOULT 10	DAINE THOM SPEED INCOME.	
Cont'd	Sylind Solind Kidol S	583.5 014.0 573.9 013.3
U, PER AIR UNIA 1270020195 "HITF JAHUS TABLE 21 Cont'd	DENSITY SPEED OF GM/CURIC SOUND METER NAOLS	583.5 573.9
ے	RCL HUM. PERCENT	20.0
1 », S.L	TEMPERATURE REL.HUM. DENSITY SYLED OF AIR DEWPOINT PERCENT GM/CURIC SOUND DEGREES CENTIGRADE METER NAOIS	-40.7
19.00 FEE	AIR DEGREES	-24.3
111UDE 358 NO. 198	PRESSURL HILLIBARS	410.9
STATION ALITTUDE 3589.60 FEET MSL 7 MAY SE ASCENSION NO. 198 1400 MDT	GEUMETRIC PRESSURE ALITUDE MSL FEE! MILLIBARS	2.3500.0

104 AL11TUDI (AY B2 (4810)4 AO	104 ALIITUDE 3989.00 FEET MSL IAY B2 IASION AO. 198400 MDT	75k 1	ra At	MAI DATORY LEVELS 1276020190 HITE SAMUS TABLE 22	ر د د د د د د د د د د د د د د د د د د د		**************************************
	PRESCURE G	PRESSUME GEOPOTENTIAL	TE My E	TEMPERALURE	NEL-110	Alan Cult.	1. I.A.
	MILLIBAKS	FELT	DEGREES CENTIGRADE		PLKCEN	UNICATION SPEED UEGICLISTAN KINOTS	SPLED KIOTS
	∂•0 ς ?	4771.	20.7	-2.4	-12		٥.3
	0.004	6068	14.6	-5•'s	24.	170.	1.4
	756.0	8440.	9.5	-7.3	30.		6.0
	1000	10293.	4.1	٠٠٠-	3/.		カ・カ
	0.069	12263.	1.4	-21.0			14.1
	£00.0	14358.	-3.5	+-52-	10.		10.7
	556.0	16596.	11.6-	-27.0	10.		2.01
	C.00.0	19009.	-12.2	-32.2	17.	271.0	9•¢1
	450.6	Zlojo.	-19.3	-37.1	19.		1.00
	0.000	24447	-26.4	-42.5	2010		

